

Doosan Machine Tools

Optimal Solutions for the Future



Product Line up



Product Full Line-up

Full Line-up of Products

Turning Center

Machining Center

Double Column

Machining Center

Boring Machine

Optimal Technology

Easy Operation Package

Applications

Global Support

Network

Overseas Supplies

System



Optimal Solutions for the Future

In an effort to provide solutions that fit each partner's unique needs we constantly innovate our thinking, our processes, and the way we do business.



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Overseas Supplies System



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Continuous Innovation for Advanced Products & Technology

Whatever your needs are, we have the product you need.
Our full line of competitive high-value machine tools
delivers unmatched performance and precision.

Full Line-up of Products

Horizontal turning centers



Multi-tasking turning centers



Vertical turning centers



Ram type vertical turning centers



Swiss type turning centers



Vertical machining centers





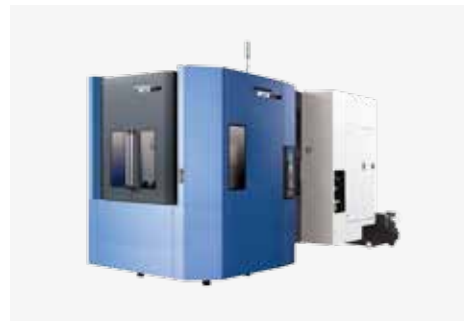
5-axis vertical machining centers



Die & mold vertical machining centers



Horizontal machining centers



Horizontal boring mills



Double column machining centers



Linear Pallet System



Optimal solutions through advanced technologies

Through open communication with our customers and shareholders, regarding their current and future needs, our company takes pride in offering effective and flexible manufacturing solutions. In doing so, we guarantee to deliver quality products and services as an integral part of our business policy and operational priority. As we pursue autonomous management by respecting individuals’ unique abilities and encourage collaboration and teamwork, we advance the development of innovation and value. This is our vision and management philosophy.

Turning Centers

Horizontal Turning Centers

Compact

Lynx 210

Lynx 220

Lynx 300

Multi-Axis

PUMA TT1500 / 1800

PUMA TT2000 / 2500

PUMA TL2000

PUMA TL2500

Aluminum Wheel Turn

PUMA AW560 / 660

PUMA AW560MF

PUMA VAW700 / 800

Twin Spindle

PUMA HT230T

PUMA H250T

PUMA H310T

PUMA TW2600

Twin Spindle with Gantry Loader

PUMA HT230TG

PUMA QL200H

PUMA QL300H

PUMA TW2600-GL

High Performance

PUMA 2100

PUMA 2600

PUMA 3100

PUMA GT2100

PUMA GT2600

PUMA GT3100

PUMA 4100

PUMA 5100

PUMA 400XL

PUMA 480XL

PUMA 600 / 700 / 800

Multi-Tasking Turning Centers

PUMA MX1600

PUMA MX2100

PUMA MX2600

PUMA MX3100

PUMA SMX2600

PUMA SMX3100

Vertical Turning Centers

PUMA V400 / V550

PUMA V400P

PUMA VT450

PUMA VT750

PUMA VT900

PUMA VT1100

Ram Type

PUMA VTS1214

PUMA VTS1620

Inverted Type

PUMA INVERTURN 3000

Swiss Type Turning Centers

PUMA ST20GS

PUMA ST20G

PUMA ST26GS

PUMA ST32GS

PUMA ST32G

PUMA ST35GS

- M

Milling
- L

Long Bed
- G-super

Gang type
- T

Lower Turret
- 2SP

Twin Spindle
- D

Big Bore
- Y

Y-axis
- S

Sub Spindle(Right Spindle)
- GL

Gantry Loader
- XL

Extra Long Bed
- B*

Big Bore (only PUMA 800)

STD

Standard model

A

B

C

Chuck size

Machining Center / DCM / HBM

Vertical Machining Centers

Tapping Center

T 4000 STD L
DT 360D STD /40

Hight Productivity & Heavy Duty

DNM 400 a II HS
DNM 500 II /50II HS
DNM 650 II /50II HS P
DNM 750 II /50II L II L/50II

Mynx 5400 STD /50
Mynx 6500 STD /50
Mynx 7500 STD /50
Mynx 9500 STD

Column Moving & Dual Pallet

VC 430
VC 510

5-axis

DNM 200/5AX
DNM 350/5AX
VC 630/5AX
FM 200/5AX *linear*
FM 350/5AX *linear*

Multi Purpose

VCF 850 STD L SR LSR

Die & Mold

VM 5400
VM 6500
VM 560
VM 750 STD L
VM 960 STD L
VM 1260
DVM 500 II
DVM 650 II
NX 4500 II
NX 5500 II
NX 6500 II
FM 400 *linear*

Bridge Type Machining Center

BM 2740 STD M U

Five Face Double Column Machining Centers

DCM 2740F
DCM 2750F
DCM 2760F
DCM 2780F
DCM 3250F
DCM 3260F
DCM 3280F
DCM 3780F
DCM 37100F

Horizontal Machining Centers

High Speed

HC 400 II
HC 500 II
HP 4000 II
HP 5100 II
NHP 5500
NHP 6300
NHP 8000

Heavy Duty

HM 5000
NHM 5000
NHM 6300
NHM 8000
HM 1000 STD W
HM 1250

Horizontal Boring Mills

DBC 110 S II
DBC 130 S SL II L II
DBC 250 II L II

Double column machining centers

DBD 1270
DBD 1580

Turning Center

Compact Turning Center / High Performance Horizontal Turning Center / Next-generation Heavy Duty Turning Center

Lynx 210 / 220 / 300

Lynx series are compact turning center. Designed to produce small parts with unsurpassed accuracy. Value added machining for small parts.



Machine	Chuck (inch)	Max. Turning Dia. mm (inch)	Max. Turning Length mm (inch)	Spindle Speed (r/min)	Motor** kW (Hp)
Lynx 210A / B	6 / 8	280 (11.0)	280 / 300 (11.0 / 11.8)	6000 / 5000	15 / 15 / 11 (20.1 / 20.1 / 14.8)
Lynx 220A / LA	6	320 (12.6)	322 / 542 (12.7 / 21.3)	6000	15 / 15 / 11 (20.1 / 20.1 / 14.8)
Lynx 220B / LB	8	320 (12.6)	305 / 525 (12.6 / 20.7)	5000	15 / 15 / 11 (20.1 / 20.1 / 14.8)
Lynx 220C / LC	8	320 (12.6)	305 / 525 (12.6 / 20.7)	4000	15 / 15 / 11 (20.1 / 20.1 / 14.8)
Lynx 220MA / LMA	6	250 (9.8)	290 / 510 (11.4 / 20.1)	6000	15 / 15 / 11 (20.1 / 20.1 / 14.8)
Lynx 220MC / LMC	8	250 (9.8)	290 / 510 (11.4 / 20.1)	4500	15 / 15 / 11 (20.1 / 20.1 / 14.8)
Lynx 220LMSA	6	300 (11.8)	510 (20.1)	6000	15 / 15 / 11 (20.1 / 20.1 / 14.8)
Lynx 220LMSC	8	300 (11.8)	510 (20.1)	4500	15 / 15 / 11 (20.1 / 20.1 / 14.8)
Lynx 220YA / YC	6 / 8	300 (11.8)	300 (11.8)	6000 / 4500	15 / 15 / 11 (20.1 / 20.1 / 14.8)
Lynx 220LYA / LYC	6 / 8	300 (11.8)	510 (20.1)	6000 / 4500	15 / 15 / 11 (20.1 / 20.1 / 14.8)
Lynx 220LSYA / LSYC	6 / 8	300 (11.8)	510 (20.1)	6000 / 4500	15 / 15 / 11 (20.1 / 20.1 / 14.8)
Lynx 220G super*	6	-	322 (12.7)	6000	15 / 15 / 11 (20.1 / 20.1 / 14.8)
Lynx 300	10	450 (17.7)	765 (30.1)	3500	15 / 15 / 11 (20.1 / 20.1 / 14.8)
Lynx 300M	10	370 (14.6)	712 (28.0)	3500	15 / 15 / 11 (20.1 / 20.1 / 14.8)

L : Long bed M : Milling S : Sub spindle * V640i (Fanuc I series) ** S3 25%/15min/Cont.

PUMA 2100 / 2600 / 3100

PUMA 2100 / 2600 / 3100 series have been developed to create full line up of high level 8" to 12" size with model variations from 2 axis to Y axis sub spindle.



Machine	Chuck (inch)	Max. Turning Dia. mm (inch)	Max. Turning Length mm (inch)	Spindle Speed (r/min)	Motor* kW (Hp)
PUMA 2100 / S[L/LS]	8	481 (18.9)	545 [785] (21.4 [30.9])	4500	18.5 / 15 (24.8 / 20.1)
PUMA 2100M / MS[LM/LMS]	8	406 (16.0)	520 [760] (20.5 [29.9])	4500	18.5 / 15 (24.8 / 20.1)
PUMA 2100Y / LY	8	406 (16.0)	520 / 760 (20.5 / 29.9)	4500	18.5 / 15 (24.8 / 20.1)
PUMA 2100SY / LSY	8	406 (16.0)	520 / 760 (20.5 / 29.9)	4500	18.5 / 15 (24.8 / 20.1)
PUMA 2600/500	10	481 (18.9)	550 (21.7)	3500	18.5 / 15 (24.8 / 20.1)
PUMA 2600M/500	10	376 (14.8)	520 (20.5)	3500	18.5 / 15 (24.8 / 20.1)
PUMA 2600 / S[L/LS]	10	481 (18.9)	790 [1310] (31.1 [51.6])	3500	22 / 18.5 (29.5 / 24.8)
PUMA 2600M / MS[LM/LMS]	10	376 (14.8)	760 [1280] (29.9 [50.4])	3500	22 / 18.5 (29.5 / 24.8)
PUMA 2600B [LB]	12	481 (18.9)	755 [1275] (29.7 [50.2])	2800	22 / 18.5 (29.5 / 24.8)
PUMA 2600MB [LMB]	12	376 (14.8)	725 [1245] (28.5 [49.0])	2800	22 / 18.5 (29.5 / 24.8)
PUMA 2600SB [MSB]	12	481 [376] (18.9 [14.8])	755 [725] (29.7 [28.5])	2800	22 / 18.5 (29.5 / 24.8)
PUMA 2600Y / LY[LYB]	10 [12]	376 (14.8)	760 / 1280 [1245] (29.9 / 50.4 [49.0])	3500 [2800]	22 / 18.5 (29.5 / 24.8)
PUMA 2600SY / LSY	10	376 (14.8)	760 / 1280 (29.9 / 50.4)	3500	22 / 18.5 (29.5 / 24.8)
PUMA 2600YB / SYB	12	376 (14.8)	725 (28.5)	2800	22 / 18.5 (29.5 / 24.8)
PUMA 3100	12	525 (20.7)	790 (31.1)	2800	22 / 18.5 (29.5 / 24.8)
PUMA 3100L / XL / UL	12	525 (20.7)	1310 / 2150 / 3150 (51.6 / 84.7 / 124.0)	2800	22 / 18.5 (29.5 / 24.8)
PUMA 3100M / LM / XLM / ULM	12	420 (16.5)	765 / 1285 / 2125 / 3125 (30.1 / 50.6 / 83.7 / 123.0)	2800	22 / 18.5 (29.5 / 24.8)
PUMA 3100Y / LY / XLY / ULY	12	420 (16.5)	765 / 1285 / 2125 / 3125 (30.1 / 50.6 / 83.7 / 123.0)	2800	22 / 18.5 (29.5 / 24.8)

L : Long bed XL : Xtra long bed UL : Ultra long bed
M : Milling S : Sub spindle Y : Y-axis milling * 30min/Cont.

PUMA GT2100 / 2600 / 3100

PUMA GT2100 / 2600 is a Global Standard Turning Center created with DOOSAN's vast experience and technical prowess to become the World's leading turning center on the market.



Machine	Chuck (inch)	Max. Turning Dia. mm (inch)	Max. Turning Length mm (inch)	Spindle Speed (r/min)	Motor* kW (Hp)
PUMA GT2100/300	8	390 (15.4)	312 (12.3)	4500	18.5 / 15 (24.8 / 20.1)
PUMA GT2100M/300	8	300 (11.8)	263 (10.4)	4500	18.5 / 15 (24.8 / 20.1)
PUMA GT2100	8	390 (15.4)	562 (22.1)	4500	18.5 / 15 (24.8 / 20.1)
PUMA GT2100M	8	300 (11.8)	513 (20.2)	4500	18.5 / 15 (24.8 / 20.1)
PUMA GT2100B / MB	10	390 / 300 (15.4 / 11.8)	550 / 501 (21.7 / 19.7)	3500	18.5 / 15 (24.8 / 20.1)
PUMA GT2600 / L	10	460 (18.1)	658 / 1078 (25.9 / 42.4)	3500	22 / 18.5** (29.5 / 24.8)
PUMA GT2600M / LM	10	410 (16.1)	610 / 1030 (24 / 40.6)	3500	22 / 18.5** (29.5 / 24.8)
PUMA GT3100 / L	12	481 (18.9)	755 / 1275 (29.7 / 50.2)	2800	35 / 26 / 22*** (47.0 / 34.9 / 29.5)
PUMA GT3100M / LM	12	376 (14.8)	725 / 1245 (28.5 / 49.0)	2800	Low winding : 22 / 13 (29.5 / 17.4) High winding : 22 / 18.5** (29.5 / 24.8)

* 15min/Cont ** 30min/Cont. *** S3 25%/30min/Cont.

PUMA 4100

Powerful, Heavy Duty Turning Center



Machine	Chuck (inch)	Max. Turning Dia. mm (inch)	Max. Turning Length mm (inch)	Spindle Speed (r/min)	Motor* kW (Hp)
PUMA 4100A / LA	12	550 (21.7)	1079 / 2129 (42.5 / 83.8)	3000	35 / 26 / 22 (47.0 / 34.9 / 29.5)
PUMA 4100B / LB	15	550 (21.7)	1043 / 2093 (41.1 / 82.4)	2000	35 / 26 / 22 (47.0 / 34.9 / 29.5)
PUMA 4100C / LC	21	550 (21.7)	1024 / 2074 (40.31 / 81.7)	1500	35 / 26 / 22 (47.0 / 34.9 / 29.5)
PUMA 4100MA / LMA	12	560 (22.0)	1014 / 2064 (39.9 / 81.3)	3000	30 / 22** (40.3 / 29.5)
PUMA 4100MB / LMB	15	560 (22.0)	978 / 2028 (38.5 / 79.8)	2000	30 / 22** (40.3 / 29.5)
PUMA 4100MC / LMC	21	560 (22.0)	959 / 2009 (37.8 / 79.1)	1500	37 / 30** (49.7 / 40.3)

L : Long bed M : Milling * S3 25%/15min/Cont. ** 30min/Cont.

PUMA 5100

Powerful Turning Center with Y Axis Added



Machine	Chuck (inch)	Max. Turning Dia. mm (inch)	Max. Turning Length mm (inch)	Spindle Speed (r/min)	Motor* kW (Hp)
PUMA 5100A / LA	15	650 (25.6)	992 / 2042 (39.1 / 80.4)	2000	37 / 30 (49.7 / 40.3)
PUMA 5100B / LB	21	650 (25.6)	992 / 2042 (39.1 / 80.4)	1500	45 / 37 (60.4 / 49.7)
PUMA 5100C / LC	-	650 (25.6)	992 / 2042 (39.1 / 80.4)	1000	45 / 37 (60.4 / 49.7)
PUMA 5100MA / LMA	15	650 (25.6)	951 / 2001 (37.4 / 78.8)	2000	37 / 30 (49.7 / 40.3)
PUMA 5100MB / LMB	21	650 (25.6)	951 / 2001 (37.4 / 78.8)	1500	45 / 37 (60.4 / 49.7)
PUMA 5100LYA	15	550 (21.7)	2050 (80.7)	2000	37 / 30 (49.7 / 40.3)
PUMA 5100LYB	21	550 (21.7)	2020 (79.5)	1500	45 / 37 (60.4 / 49.7)
PUMA 5100LYC	-	550 (21.7)	2020 (79.5)	1000	45 / 37 (60.4 / 49.7)

L : Long bed M : Milling Y : Y axis Milling * 30min/Cont.

PUMA 400XL

High performance turning center, Strength on heavy duty cutting originated by rigid structure and powerful spindle & servo drive. Exceptionally PUMA 400XLM provides longer shaft & milling work.



Machine	Chuck (inch)	Max. Turning Dia. mm (inch)	Max. Turning Length mm (inch)	Spindle Speed (r/min)	Motor* kW (Hp)
PUMA 400XLA / XLMA	12	550 / 560 (21.7 / 22.0)	3150 (124.0)	3000	22 / 18.5 (29.5 / 24.8) / 30 / 22 (40.3 / 29.5)
PUMA 400XLB / XLMB	15	550 / 560 (21.7 / 22.0)	3114 (122.6)	2000	26 / 22 (34.9 / 29.5) / 30 / 22 (40.3 / 29.5)
PUMA 400XLC / XLMC	21	550 / 560 (21.7 / 22.0)	3095 (121.9)	1500	37 / 30 (49.7 / 40.3)

L : Long bed XL: Xtra long bed M : Milling * 30min/Cont.

Turning Center

Next-generation Heavy Duty Turning Center/ Large Sized Horizontal Turning Center /
Multi-Axis Turning Center / Aluminum Wheel Turn & Wheel Mill / Twin-spindle Turning Center / Gantry Loaders

PUMA 480XL

PUMA 480 series mainly focus its capacity on heavy duty cutting, wide range of cutting coverage along with rapid positioning and fast bi-directional turret-indexing.



Machine	Chuck (inch)	Max. Turning Dia. mm (inch)	Max. Turning Length mm (inch)	Spindle Speed (r/min)	Motor* kW (Hp)
PUMA 480XL / XLM	21	650 (25.6)	3065 (120.7)	1500	45 / 37 (60.4 / 49.7)
PUMA 480XLD	-	650 (25.6)	3065 (120.7)	1000	45 / 37 (60.4 / 49.7)

L : Long bed XL : Xtra long bed M : Milling D : Big bore * 30min/Cont.

PUMA 600 / 700 / 800

The largest turning center in their class featuring heavy and interrupted cutting, holding long term accuracy, and maintaining superior finishes.



Machine	Chuck mm (inch)	Max. Turning Dia. mm (inch)	Max. Turning Length mm (inch)	Spindle Speed (r/min)	Motor* kW (Hp)
PUMA 600 / M	18	900 (35.4)	1600 (63.0)	1800	45 / 37 (60.4 / 49.7)
PUMA 600L / LM	18	900 (35.4)	3200 (126.0)	1800	45 / 37 (60.4 / 49.7)
PUMA 700 / M	24	900 (35.4)	1600 (63.0)	1500	45 / 37 (60.4 / 49.7)
PUMA 700L / LM	24	900 (35.4)	3200 (126.0)	1500	45 / 37 (60.4 / 49.7)
PUMA 800 / M	32	900 (35.4)	1600 (63.0)	750	45 / 37 (60.4 / 49.7)
PUMA 800B / LB	-	900 (35.4)	1600 (63.0) / 3200 (126.0)	500	45 / 37** (60.4 / 49.7)
PUMA 800L / LM	32	900 (35.4)	3200 (126.0)	750	45 / 37 (60.4 / 49.7)
PUMA 600XL / XLM	18	900 (35.4)	5050 (198.8)	1800	45 / 37 (60.4 / 49.7)
PUMA 600LY / XLY	18	750 (29.5)	3250 / 5050 (128.0 / 198.8)	1800	45 / 37 (60.4 / 49.7)
PUMA 700XL / XLM	24	900 (35.4)	5050 (198.8)	1500	45 / 37 (60.4 / 49.7)
PUMA 700LY / XLY	24	750 (29.5)	3250 / 5050 (128.0 / 198.8)	1500	45 / 37 (60.4 / 49.7)
PUMA 800XL / XLM	32	900 (35.4)	5050 (198.8)	750	45 / 37 (60.4 / 49.7)
PUMA 800LY / XLY	32	750 (29.5)	3250 / 5050 (128.0 / 198.8)	750	45 / 37 (60.4 / 49.7)

L : Long bed XL : Xtra long bed M : Milling Y : Y-axis milling * 30min/Cont. **Big bore

PUMA TT1500 / 1800 / 2000 / 2500, PUMA TL2000 / 2500

Simultaneous machining on two faces with twin spindles and turrets. Virtual realization of Y-axis function will bring you double productivity.



Machine	Chuck mm (inch)	Max. Turning Dia. mm (inch)	Max. Turning Length mm (inch)	Spindle Speed (r/min)	Motor* kW (Hp)
PUMATT1500S / MS	6	230 (9.1)	120 (4.7)	6000	Left: 15 / 11 (20.1 / 14.8) Right: 15 / 11 (20.1 / 14.8)
PUMATT1500SY	6	230 (9.1)	120 (4.7)	6000	Left: 15 / 11 (20.1 / 14.8) Right: 15 / 11 (20.1 / 14.8)
PUMATT1800S / MS	8	230 (9.1)	230 (9.1)	5000	Left: 22 / 15 (29.5 / 20.1) Right: 22 / 15 (29.5 / 20.1)
PUMATT1800SY	8	230 (9.1)	230 (9.1)	5000	Left: 22 / 15 (29.5 / 20.1) Right: 22 / 15 (29.5 / 20.1)
PUMATT2000S / MS	8	U : 390 / L: 300 (15.4 / 11.8)	350 (13.8)	5000	Left: 22/18.5/15** (29.5/24.8/20.1) Right: 22/18.5/15** (29.5/24.8/20.1)
PUMATT2000SY	8	U : 390 / L: 300 (15.4 / 11.8)	350 (13.8)	5000	Left: 22/18.5/15** (29.5/24.8/20.1) Right: 22/18.5/15** (29.5/24.8/20.1)
PUMATT2500S / MS	10	U : 390 / L: 300 (15.4 / 11.8)	350 (13.8)	3500	Left: 26 / 22 (34.9 / 29.5) Right: 26 / 22 (34.9 / 29.5)
PUMATT2500SY	10	U : 390 / L: 300 (15.4 / 11.8)	350 (13.8)	3500	Left: 26 / 22 (34.9 / 29.5) Right: 26 / 22 (34.9 / 29.5)
PUMATL2000 / L	8	U : 370 / L: 240 (14.6 / 9.4)	600 (23.6)	5000	22 / 18.5 / 15** (29.5 / 24.8 / 20.1)
PUMATL2000M / LM	8	U : 350 / L: 240 (13.8 / 9.4)	600 (23.6)	5000	22 / 18.5 / 15** (29.5 / 24.8 / 20.1)
PUMATL2500 / L	10	U : 370 / L: 240 (14.6 / 9.4)	600 (23.6)	4000	26 / 22 (34.9 / 29.5)
PUMATL2500M / LM	10	U : 350 / L: 240 (13.8 / 9.4)	600 (23.6)	4000	26 / 22 (34.9 / 29.5)

M : Milling S : Sub spindle Y : Y-axis milling U : on upper turret L : on lower turret
* 30min/Cont. ** 10min/30min/Cont.

PUMA AW560 / 660

AW / VAW series are designed for machining aluminum wheels. Automatic machining of aluminum wheels-from raw material supply to finished wheel.



Machine	Wheel Size (inch)	Swing over bed mm (inch)	Spindle Speed (r/min)	Motor* kW (Hp)
PUMA AW560	20	830 (32.7)	2500	37 / 30 (49.7 / 40.3)
PUMA AW660	24	830 (32.7)	2000	37 / 30 (49.7 / 40.3)
PUMA AW560MF	20	830 (32.7)	2500	30 / 25 (40.3 / 33.6)

* 30min/Cont.

PUMA VAW700 / 800

Vertical Wheel Turn

Machine	Wheel Size (inch)	Swing over bed mm (inch)	Spindle Speed (r/min)	Motor* kW (Hp)
PUMA VAW700 *	26.5	900 (35.4)	2000	55 / 45 (73.8 / 60.4)**
PUMA VAW800 *	28	1140 (44.9)	2000	55 / 45 (73.8 / 60.4)**

* : Without ACC ** S3 40% 30min/Cont.

PUMA HT230T / H250T / H310T / HT230TG / QL200H / QL300H / TW2600 / TW2600-GL

The twin spindle turning center providing affordable solution.



Machine	Chuck (inch)	Max. Turning Dia. mm (inch)	Max. Turning Length mm (inch)	Spindle Speed (r/min)	Motor* kW (Hp)
PUMA HT230T	6	Ø240 (9.4)	160 (6.3)	4500	11 / 7.5 (14.8 / 10)
PUMA H250T	8	Ø260 (10.2)	160 (6.3)	4500	11 / 7.5 (14.8 / 10)
PUMA H250TM	8	Ø310 (12.2)	160 (6.3)	4500	11 / 7.5 (14.8 / 10)
PUMA H310T	10	Ø410 (16.1)	230 (9.1)	3500	18.5 / 15 (24.8 / 20.1)
PUMA H310TM	10	Ø410 (16.1)	230 (9.1)	3500	18.5 / 15 (24.8 / 20.1)
PUMA TW2600	10 {8, 12}	Ø360 (14.2)	170 (6.7)	3500	18.5 / 15 (24.8 / 20.1)

M : Milling * 30min/Cont.

The twin spindle turning center with gantry loader.



Machine	Recom Work Dia. mm (inch)	Recom. Turning Length mm (inch)	Max. Work Weight kg (lb)	Std. Loading Time (s)	Jaw Stroke mm (inch)
PUMA HT230TG	Ø140 (5.5)	100 (3.9)	3 (6.6)	7	Ø16 (0.6)
PUMA QL200H / HM	Ø160 (6.3)	100 (3.9)	5 (11.0)	10	Ø20 (0.8)
PUMA QL300H / HM	Ø250 (9.8)	85 (3.3)	8 (17.6)	13	Ø20 (0.8)
PUMA TW2600-GL	Ø200 (7.9)	120 (4.7)	6 (13.2)	7.9	Ø20 (0.8)

{ } : Option

Turning Center

Multi-Tasking Turning Center / Vertical Turning Center / Super-sized Vertical Turning Center / Swiss Type Turning Center

PUMA MX1600 / 2100 / 2600 / 3100

PUMA SMX2600 / 3100

The integration of machining center and turning center gives you unmatched flexibility in wide variety of part configurations. From simple turning and milling, to complex multi-axis simultaneous machining, all operations can be completed in one machine.



Machine	Chuck (inch)	Max. Turning Dia. mm (inch)	Max. Turning Length mm (inch)	Spindle Speed Main / Milling (r/min)	Motor Main / Sub / Milling kW (Hp)
PUMA MX1600	6	330 (13.0)	900 (35.4)	600 / 12000	15 (20.1) / - / 9 (12.1)
PUMA MX1600/735	6	330 (13.0)	700 (27.6)	600 / 12000	15 (20.1) / - / 9 (12.1)
PUMA MX1600S	6	330 (13.0)	900 (35.4)	600 / 12000	15 (20.1) / 15 (20.1) / 9 (12.1)
PUMA MX1600S/735	6	330 (13.0)	700 (27.6)	600 / 12000	15 (20.1) / 15 (20.1) / 9 (12.1)
PUMA MX1600T	6	330 (13.0)	900 (35.4)	600 / 12000	15 (20.1) / - / 9 (12.1)
PUMA MX1600T/735	6	330 (13.0)	700 (27.6)	600 / 12000	15 (20.1) / - / 9 (12.1)
PUMA MX1600ST	6	330 (13.0)	900 (35.4)	600 / 12000	15 (20.1) / 15 (20.1) / 9 (12.1)
PUMA MX1600ST/735	6	330 (13.0)	700 (27.6)	6000 / 12000	15 (20.1) / 15 (20.1) / 9 (12.1)
PUMA MX2100 / L	8	540 (21.3)	1020 (40.2)	5000 / 12000	22 (29.5) / - / 18.5 (24.8)
PUMA MX2100S / LS	8	540 (21.3)	1020 / 1520 (40.2 / 59.8)	5000 / 12000	22 (29.5) / 22 (29.5) / 18.5 (24.8)
PUMA MX2100T / LT	8	540 (21.3)	1020 / 1520 (40.2 / 59.8)	5000 / 12000	22 (29.5) / - / 18.5 (24.8)
PUMA MX2100ST / LST	8	540 (21.3)	1020 / 1520 (40.2 / 59.8)	5000 / 12000	22 (29.5) / 22 (29.5) / 18.5 (24.8)
PUMA MX2600	10	760 (29.9)	1540 (60.6)	4000 / 12000	26 (34.9) / - / 22 (29.5)
PUMA MX2600S / ST	10	760 (29.9)	1540 (60.6)	4000 / 12000	26 (34.9) / 26 (34.9) / 22 (29.5)
PUMA MX2600T	10	760 (29.9)	1540 (60.6)	4000 / 12000	26 (34.9) / - / 22 (29.5)
PUMA MX3100	12	760 (29.9)	1540 (60.6)	3000 / 12000	30 (40.2) / - / 22 (29.5)
PUMA MX3100S	12	760 (29.9)	1540 (60.6)	3000 / 4000 / 12000	30 (40.2) / 26 (34.9) / 22 (29.5)
PUMA SMX2600	10	660 (26.0)	1540 (60.6)	4000 / 12000	26 (34.9) / - / 26 (34.9)
PUMA SMX2600S	10	660 (26.0)	1540 (60.6)	4000 / 12000	26 (34.9) / 26 (34.9) / 26 (34.9)
PUMA SMX3100	12	660 (26.0)	1540 (60.6)	3000 / 12000	30 (40.2) / - / 26 (34.9)
PUMA SMX3100S	12	660 (26.0)	1540 (60.6)	3000 / 4000 / 12000	30 (40.2) / 26 (34.9) / 26 (34.9)

S : Sub spindle T : Turret

PUMA V400 / 550

Heavy duty vertical turning center featuring heavily-ribbed and exclusive bed. Easy tooling system provides the fastest chip-to-chip time.



Machine	Chuck (inch)	Max. Turning Dia. mm (inch)	Max. Turning Length mm (inch)	Spindle Speed (r/min)	Motor* kW (Hp)
PUMA V400	12	496 (19.5)	461 (18.1)	3000	22 / 18.5 (29.5 / 24.8)
PUMA V400M	12	420 (16.5)	400 (15.7)	3000	22 / 18.5 (29.5 / 24.8)
PUMA V400-2SP	12	496 (19.5)	461 (18.1)	3000	22 / 18.5 + 22 / 18.5 (29.5 / 24.8) + (29.5 / 24.8)
PUMA V400P	12	496 (19.5)	461 (18.1)	3000	22 / 18.5 (29.5 / 24.8)
PUMA V550	15	740 (29.1)	750 (29.5)	2000	37 / 30 (49.7 / 40.3)
PUMA V550M	15	800 (31.5)	750 (29.5)	2000	37 / 30 (49.7 / 40.3)
PUMA V550-2SP	15	740 (29.1)	750 (29.5)	2000	37 / 30 + 37 / 30 (49.7 / 40.3) + (49.7 / 40.3)

M : Milling 2SP : Twin spindle * 30min/Cont.

PUMAVT450 / 750 / 900 / 1100

The PUMA VT seires are designed for long for long term accuracy, heavy duty cutting and to minimize flooe space. Its powerful spindle drives, meehanite casting and integral box guide way provide unsurpassed rididity.



Machine	Chuck (inch)	Max. Turning Dia. mm (inch)	Max. Turning Length mm (inch)	Spindle Speed (r/min)	Motor* kW (Hp)
PUMA VT450	12	450 (17.7)	450 (17.7)	2500	22 / 18.5 (29.5 / 24.8)
PUMA VT450-2SP	12	450 (17.7)	450 (17.7)	2500	22 / 18.5 + 22 / 18.5 (29.5 / 24.8) + (29.5 / 24.8)
PUMA VT450M	12	450 (17.7)	450 (17.7)	2500	22 / 18.5 (29.5 / 24.8)
PUMA VT450M-2SP	12	450 (17.7)	450 (17.7)	2500	22 / 18.5 + 22 / 18.5 (29.5 / 24.8) + (29.5 / 24.8)
PUMA VT750	15	720 (28.3)	760 (29.9)	2000	30 / 22 (40.3 / 29.5)
PUMA VT750-2SP	15	720 (28.3)	760 (29.9)	2000	30 / 22 + 30 / 22 (40.3 / 29.5) + (40.3 / 29.5)
PUMA VT750M	15	740 (29.1)	760 (29.9)	2000	30 / 22 (40.3 / 29.5)
PUMA VT750M-2SP	15	740 (29.1)	760 (29.9)	2000	30 / 22 (40.3 / 29.5)
PUMA VT900	24	900 (35.4)	850 (33.5)	1800	45 / 37 (60.4 / 49.7)
PUMA VT900-2SP	24	900 (35.4)	850 (33.5)	1800	45 / 37 + 45 / 37 (60.4 / 49.7) + (60.4 / 49.7)
PUMA VT900M	24	900 (35.4)	850 (33.5)	1800	45 / 37 (60.4 / 49.7)
PUMA VT900M-2SP	24	900 (35.4)	850 (33.5)	1800	45 / 37 + 45 / 37 (60.4 / 49.7) + (60.4 / 49.7)
PUMA VT1100	32	1100 (43.4)	1000 (39.4)	850	60 / 55 / 45** (80.5 / 73.8 / 60.4)
PUMA VT1100M	32	1100 (43.4)	1000 (39.4)	850	60 / 55 / 45** (80.5 / 73.8 / 60.4)

M : Milling 2SP : Twin spindle * 30min/Cont. ** 10min/30min/Cont.

PUMAVTS 1214 / 1620

aHeavy duty and high precision, large vertical turning center with Ram head spindle designed to delover superior performance.



Machine	Max. Turning Dia. mm (inch)	Max. Turning Height mm (inch)	Table Speed (r / min)	Motor* kW (hp)
PUMA VTS1214 / M	1350 (53.1)	814 (32.0)	1~630	60 / 55 / 45 (80.5 / 73.8 / 60.4)
PUMA VTS1620 / M	2000 (78.7)	1556 (61.3)	1~250	45 / 37.5 ** (60.4 / 50.3)

M : Milling * 10min/30min/Cont. ** 30min/Cont.

PUMAST 20G / 20GS / 26GS / 32G / 32GS / 35GS

PUMA ST series machines can turn, mill and drill all in one operation.



Machine	Max. Turning Dia. mm (inch)	Max. Turning Length mm (inch)	Tool Storage	Main Spindle Motor [Built-in]* kW (Hp)	Sub Spindle Motor** [Built-in] kW (Hp)
PUMA ST20G	20 (0.8)	200 (7.9)	24	3.7 / 2.2 (5.0 / 3.0)	2.2 / 1.5 (3.0 / 2.0)
PUMA ST20GS	20 (0.8)	200 (7.9)	24	3.7 / 2.2 (5.0 / 3.0)	2.2 / 1.5 (3.0 / 2.0)
PUMA ST26GS	26 (1.0)	200 (7.9)	22 { 27 }	5.5 / 2.2 (7.4 / 3.0)	2.2 / 1.5 (3.0 / 2.0)
PUMA ST32G	32 (1.3)	320 (12.6)	24	7.5 / 5.5 (10.1 / 7.4)	3.7 / 2.2 (5.0 / 3.0)
PUMA ST32GS	32 (1.3)	300 (11.8)	24	7.5 / 5.5 (10.1 / 7.4)	3.7 / 2.2 (5.0 / 3.0)
PUMA ST35GS	35 (1.4)	300 (11.8)	21	7.5 / 5.5 (10.1 / 7.4)	3.7 / 2.2 (5.0 / 3.0)

{ } : Option

* 30min/Cont. ** 15min/Cont.

Machining Center

Tapping Center / High productivity Vertical Machining Center / Heavy Duty Vertical Machining Center / 5-axis Vertical Machining Center

T 4000 / DT 360D

It is a compact, high speed drill / tap center with heavy duty construction for rigidity and high performance



Machine	X / Y / Z Travel mm (inch)	Table Size mm (inch)	spindle speed r / min	Tool Storage	Motor * kW (Hp)
T 4000	520 / 400 / 350 (20.5 / 15.7 / 13.8)	650x400 (25.6x15.7)	12000 { 24000 }	21	13 / 7.5 / 5.5 / 3.7 (17.4 / 10.1 / 7.4 / 5.0)
T 4000L	700 / 400 / 350 (27.6 / 15.7 / 13.8)	850x400 (33.5x15.7)	12000 { 24000 }	21	13 / 7.5 / 5.5 / 3.7 (17.4 / 10.1 / 7.4 / 5.0)
DT 360D	520 / 360 / 350 (20.5 / 14.2 / 13.8)	2-650x375 (2-25.6x14.8)	12000 { 15000, 24000 }	14	7.5 / 5.5** (10.1 / 7.4)
DT 360D/40	520 / 360 / 320 (20.5 / 14.2 / 12.6)	2-650x375 (2-25.6x14.8)	12000	14	7.5 / 5.5** (10.1 / 7.4)

{ } : Option

* S3 15% / S3 25% / 30min / Cont. ** 30min / Cont.

DNM 400 II / 500 II / 650 II / 750 II

The global standard in vertical machining center which is designed for increased productivity, high precision and unsurpassed performance.



Machine	X / Y / Z Travel mm (inch)	Table Size mm (inch)	spindle speed (r / min)	Tool Storage	Motor * kW (Hp)
DNM 400a	635 / 435 / 510 (25.0 / 17.1 / 20.1)	790x435 (31.1x17.1)	8000	20	11 / 7.5 (14.8 / 10)
DNM 400 II	762 / 435 / 510 (30.0 / 17.1 / 20.1)	920x435 (36.2x17.1)	8000 { 12000 }	30 { cam 40 }	15 / 11** (20.1 / 14.8)
DNM 500 II	1020 / 540 / 510 (40.2 / 21.3 / 20.1)	1200x540 (47.2x21.3)	8000 { 12000 }	30 { cam 40 }	15 / 11** (20.1 / 14.8)
DNM 500/50 II	1020 / 540 / 510 (40.2 / 21.3 / 20.1)	1200x540 (47.2x21.3)	8000	24	22 / 11** (29.5 / 14.8)
DNM 650 II	1270 / 670 / 625 (50.0 / 26.4 / 24.6)	1300x670 (51.2x26.4)	8000 { 12000 }	30 { cam 40 }	18.5 / 15*** (24.8 / 20.1)
DNM 650P	1400 / 670 / 625 (55.1 / 26.4 / 24.6)	1500x680 (59.1x26.8)	8000 { 12000 }	30 { 40 }	18.5 / 15*** (24.8 / 20.1)
DNM 650/50 II	1270 / 670 / 625 (50.0 / 26.4 / 24.6)	1300x670 (51.2x26.4)	8000	24 { 30 }	22 / 11** (29.5 / 14.8)
DNM 750 II	1630 / 762 / 650 (54.2 / 30.0 / 25.6)	1630x760 (64.2x29.9)	8000 { 12000 }	30 { 40, 60 }	18.5 / 15*** (24.8 / 20.1)
DNM 750L II	2160 / 762 / 650 (85.0 / 30.0 / 25.6)	2160x760 (85.0x29.9)	8000 { 12000 }	30 { 40, 60 }	18.5 / 15*** (24.8 / 20.1)
DNM 750/50 II	1630 / 762 / 650 (54.2 / 30.0 / 25.6)	1630x760 (64.2x29.9)	8000 { 1000 }	24 { 30 }	18.5 / 7.5**** (24.8 / 10)
DNM 750L/50 II	2160 / 762 / 650 (85.0 / 30.0 / 25.6)	2160x760 (85.0x29.9)	8000 { 1000 }	24 { 30 }	18.5 / 7.5**** (24.8 / 10)
DNM 400HS	762 / 435 / 510 (30.0 / 17.1 / 20.1)	920x435 (36.2x17.1)	15000 { 12000, 20000 }	30 { cam 40 }	22 / 18.5 (29.5 / 24.8)
DNM 500HS	1020 / 540 / 510 (40.2 / 21.3 / 20.1)	1200x540 (47.2x21.3)	15000 { 12000, 20000 }	30 { cam 40 }	22 / 18.5 (29.5 / 24.8)
DNM 650HS	1270 / 670 / 625 (50.0 / 26.4 / 24.6)	1300x670 (51.2x26.4)	15000 { 12000, 20000 }	30 { cam 40 }	22 / 18.5 (29.5 / 24.8)

{ } : Option

* 15min / Cont. ** S3 25% / Cont. *** S3 60% / Cont. **** 5min / Cont.

Mynx 5400 / 6500 / 7500 / 9500

Economical and user-friendly vertical machining center with heavy duty and long term accuracy.



Machine	X / Y / Z Travel mm (inch)	Table Size mm (inch)	Spindle Speed (r / min)	Tool Storage	Motor * kW (Hp)
Mynx 5400	1020 / 540 / 530 (40.2 / 21.3 / 20.9)	1200 x 540 (47.2 x 21.3)	8000 { 12000 }	30 { 40 }	15 / 11 (20.1 / 14.8)
Mynx 5400/50	1020 / 540 / 530 (40.2 / 21.3 / 20.9)	1200 x 540 (47.2 x 21.3)	6000 { 8000 }	24	15 / 15 / 11** (20.1 / 20.1 / 14.8)
Mynx 6500	1270 / 670 / 625 (50.0 / 26.4 / 24.6)	1400 x 670 (55.1 x 26.4)	8000 { 12000 }	30 { 40 }	15 / 11 (20.1 / 14.8)
Mynx 6500/50	1270 / 670 / 625 (50.0 / 26.4 / 24.6)	1400 x 670 (55.1 x 26.4)	6000 { 8000 }	24 { 30 }	15 / 15 / 11** (20.1 / 20.1 / 14.8)
Mynx 7500	1525 / 762 / 62 (60.0 / 30.0 / 24.6)	1600 x 750 (63.0 x 29.5)	8000 { 12000 }	30 { 40 }	22 / 15*** (29.5 / 20.1)
Mynx 7500/50	1525 / 762 / 625 (60.0 / 30.0 / 24.6)	1600 x 750 (63.0 x 29.5)	6000 { 8000 }	24 { 40 }	18.5 / 15 (24.8 / 20.1)
Mynx 9500	2500 / 950 / 850	2500 x 950	6000 { 10000 }	30 { 40 }	22 / 18.5 { 30 / 25 } (29.5 / 24.8 { 40.2 / 33.5 })
{ } : Option					
* 30min / Cont. ** 15min/30min/Cont. *** 15min / Cont.					

VC 430 / 510

Easy-to-operate, compact & highly productive with fast and accuracy.
Unique traveling column design with Rotating dual pallet.



Machine	X / Y / Z Travel mm (inch)	Table Size mm (inch)	Spindle Speed (r / min)	Tool Storage	Motor* kW (Hp)
VC 430	560 / 430 / 570 (22.0 / 16.7 / 22.4)	2-712 x 477 (2-28.0 x 18.8)	10000r / min { 12000 }	Geared Motor Type: 30 { 40 } Servo Motor Type: 30 { 40 }	18.5 / 15 (24.8 / 20.1)
VC 510	762 / 516 / 570 (30.0 / 20.3 / 22.4)	2-860 x 570 (2-33.9 x 22.4)	10000r / min { 6000, 12000, 14000 }	Geared Motor Type: 30 { 40 } Servo Motor Type: 30 { 40 }	18.5 / 15 (24.8 / 20.1)
{ } : Option					
* 30min / Cont.					

DNM 200/5AX / DNM 350/5AX / VC 630/5AX / FM 200/5AX linear / FM 350/5AX linear

5-Axis Machining provide high productivity and precision capability with various high speed control functions
for not only small machine but large die and mold.



Machine	X / Y / Z Travel mm (inch)	Table Size mm (inch)	Spindle Speed (r / min)	Tool Storage	Motor * kW (Hp)
DNM 200 / 5AX	400 / 435 / 500 (15.7 / 17.1 / 19.7)	Ø200 (Ø7.9)	12000	Geared Motor Type: 30 { 40 } Servo Motor Type: 30 { 40 }	18.5 / 11 (24.8 / 14.8)
DNM 350 / 5AX	600 / 655 / 500 (23.6 / 25.8 / 19.7)	Ø350 (Ø13.8)	12000 { 20000 }	Geared Motor Type: 30 { 40, 60 } Servo Motor Type: 30 { 40 }	18.5 / 11 (24.8 / 14.8)
VC 630 / 5AX	650 / 765 / 520 (25.6 / 30.1 / 20.5)	Ø630 X 590 (Ø24.8 x 23.2)	12000 { 20000, 30000 }	40 { 60, 81, 101, 121 }	FANUC: 22 / 18.5** (29.5 / 24.8) HEIDENHAIN: 28 / 24*** (37.5 / 32.2)
FM 200 / 5AX linear	200 / 340 / 300 (7.9 / 13.4 / 11.8)	Ø200 (Ø7.9)	40000	24	12.6**** (16.9)
FM 350 / 5AX linear	400 / 600 / 350 (15.7 / 23.6 / 13.8)	Ø350 (Ø13.8)	40000	40	12.6**** (16.9)
{ } : Option					
* 10min / Cont. **S3 25%/Cont. ***S6 40%/Cont. **** Cont.					

Machining Center

Multi Purpose Vertical Machining Center / Die & Mold Vertical Machining Center

VCF 850

Multi Purpose Vertical Machining Center



Machine	X / Y / Z Travel mm (inch)	Table Size mm (inch)	Spindle Speed (r / min)	Tool Storage	Motor * kW (Hp)
VCF850 / SR	2000 / 850 / 800 (78.7 / 33.5 / 31.5)	3500x800 (137.8x31.5)	12000	30 {60}	32 / 24 (42.9 / 32.2)
VCF850L / LSR	3000 / 850 / 800 (118.1 / 33.5 / 31.5)	3500x870 (137.8x34.3)	12000	30 {60}	32 / 24 (42.9 / 32.2)
{ } : Option					

VM 5400 / 6500 (#40)

VM series are designed for Die & Mold machining. Also VM series support optimal and total solution for die & mold machining industry.



Machine	X / Y / Z Travel mm (inch)	Table Size mm (inch)	Spindle Speed (r / min)	Tool Storage	Motor * kW (Hp)
VM 5400	1020 / 540 / 530 (40.2 / 21.3 / 20.9)	1200x540 (47.2x21.3)	12000	30 {40}	15.6 / 15.6 (20.9 / 20.9)
VM 6500	1270 / 670 / 625 (50.0 / 26.4 / 24.6)	1400x670 (55.1x26.4)	12000	30 {40}	15.6 / 15.6 (20.9 / 20.9)
{ } : Option * 30min / Cont.					

VM 560 / 750 / 960 / 1260 (#50)

VM series are designed for Die & Mold machining. Also VM series support optimal and total solution for die & mold machining industry.



Machine	X / Y / Z Travel mm (inch)	Table Size mm (inch)	Spindle Speed (r / min)	Tool Storage	Motor * kW (Hp)
VM 560	1050 / 560 / 560 (41.3 / 22.0 / 22.0)	1600x560 (63.0x22.0)	12000	30	22 / 18.5** (29.5 / 24.8)
VM 750	1500 / 750 / 800 (59.1 / 29.5 / 31.5)	1600x800 (63.0x31.5)	6000 {8000}	30 {40}	18.5 / 15 (24.8 / 20.1)
VM 750L	1800 / 750 / 800 (70.9 / 29.5 / 31.5)	1900x800 (74.8x31.5)	6000 {8000, 12000}	30 {40}	18.5 / 15 (24.8 / 20.1)
VM 960	2000 / 960 / 800 (78.7 / 37.8 / 31.5)	2400x950 (94.5x37.4)	6000 {8000, 12000}	30 {40}	18.5 / 15 (24.8 / 20.1)
VM 960L	2400 / 960 / 800 (94.5 / 37.8 / 31.5)	2600x950 (102.4x37.4)	6000 {8000, 12000}	30 {40}	18.5 / 15 (24.8 / 20.1)
VM 1260	2500 / 1260 / 900 (98.4 / 49.6 / 35.4)	2800x1260 (110.2x49.6)	6000 {8000, 12000}	40	22 / 18.5 (29.5 / 24.8)
{ } : Option * 30min / Cont. ** 15min / Cont.					

DVM 500 II / 650 II

Developed to provide high precision, high performance and high efficiency for die & mold machining.



Machine	X / Y / Z Travel mm (inch)	Table Size mm (inch)	Spindle Speed (r / min)	Tool Storage	Motor* kW (Hp)
DVM 500 II	1020 / 540 / 510 (40.2 / 21.3 / 20.1)	1200x540 (47.2x21.3)	20000	30 { 40 }	22 / 11 (29.5 / 14.8)
DVM 650 II	1270 / 670 / 625 (50.0 / 26.4 / 24.6)	1300x670 (51.2x26.4)	20000	30 { 40 }	22 / 11 (29.5 / 14.8)
{ } : Option * S3 15%, 10min / Cont.					

NX 4500 II / 5500 II / 6500 II

High precision vertical machining center specially developed for die & mold machining ability.



Machine	X / Y / Z Travel mm (inch)	Table Size mm (inch)	Spindle Speed (r / min)	Tool Storage	Motor* kW (Hp)
NX 4500 II	600 / 450 / 400 (23.6 / 17.7 / 15.7)	800x500 (31.5x19.7)	20000 { 30000, 40000 }	24	22 / 11 (29.5 / 14.8)
NX 5500 II	900 / 550 / 500 (35.4 / 21.7 / 19.7)	1000x550 (39.4x21.7)	20000 { 30000, 40000 }	30	22 / 11 (29.5 / 14.8)
NX 6500 II	1050 / 650 / 550 (41.3 / 25.6 / 21.7)	1200x650 (47.2x25.6)	20000 { 30000, 40000 }	30	22 / 11 (29.5 / 14.8)
{ } : Option * 10min 15% / Cont.					

FM 400 linear

High precision and high speed die & mold machining center for small and complex precision parts.



Machine	X / Y / Z Travel mm (inch)	Table Size mm (inch)	Spindle Speed (r / min)	Tool Storage	Motor* kW (Hp)
FM 400 linear	400 / 600 / 350 (15.7 / 23.6 / 13.8)	500 x 600 (19.7 x 23.6)	40000	40	12.6 (16.9)
* Cont.					

Machining Center

Heavy Duty Horizontal Machining Center / High Speed Horizontal Machining Center

HC 400 II / 500 II

High performance horizontal machining center featuring easy operation and compact layout.

Boast of 8000 r/min spindle speed and 40m/min rapid traverse rate.



Machine	X / Y / Z Travel mm (inch)	Table Size mm (inch)	Spindle Speed (r / min)	Tool Storage	Motor* kW (Hp)
HC 400 II	600 / 560 / 565 (23.6 / 22.0 / 22.2)	400 x 400 (15.7 x 15.7)	8000 { 12000 }	40 { 60, 80, 120, 170, 262 }	18.5 / 11 (24.8 / 14.8)
HC 500 II	850 / 700 / 750 (33.5 / 27.6 / 29.5)	500 x 500 (19.7 x 19.7)	8000 { 12000 }	40 { 60, 80, 120, 170, 262 }	18.5 / 11 (24.8 / 14.8)
					{ } : Option * 15min / Cont.

HP 4000 II / 5100 II

The HP series offers high speed & unsurpassed productivity.



Machine	X / Y / Z Travel mm (inch)	Table Size mm (inch)	Spindle Speed (r / min)	Tool Storage	Motor* kW (Hp)
HP 4000 II	600 / 560 / 600 (23.6 / 22.0 / 23.6)	400 x 400 (15.7 x 15.7)	14000 { 20000 }	40 { 60, 80, 120, 170, 262 }	22 / 18.5 { 18.5 / 15 } (29.5 / 24.8 { 24.8 / 20.1 })
HP 5100 II	850 / 700 / 750 (33.5 / 27.6 / 29.5)	500 x 500 (19.7 x 19.7)	14000 { 20000 }	40 { 60, 80, 120, 170, 262 }	22 / 18.5 { 18.5 / 15 } (29.5 / 24.8 { 24.8 / 20.1 })
					{ } : Option * 30min/cont.

NHP 5500 / 6300 / 8000

Beautiful integration of all functions by horizontal machining centers with advanced new technology.



Machine	X / Y / Z Travel mm (inch)	Table Size mm (inch)	Spindle Speed (r / min)	Tool Storage	Motor* kW (Hp)
NHP 5500	800 / 750 / 850 (31.5 / 29.5 / 33.5)	500 x 500 { 630 x 630 } (19.7 x 19.7 { 24.8 x 24.8 })	10000 { 6000, 15000 }	40 { 60, 90, 120, 150, 196, 256, 316, 376 }	45 / 25 { 37 / 25, 37 / 30 } (60.3 / 33.5 { 49.6 / 33.5, 49.6 / 40.2 })
NHP 6300	1050 / 900 / 1000 (41.3 / 35.4 / 39.4)	630 x 630 { 800 x 800 } (24.8 x 24.8 { 31.5 x 31.5 })	10000 { 6000, 15000 }	40 { 60, 90, 120, 150, 196, 256, 316, 376 }	45 / 25 { 37 / 25, 37 / 30 } (60.3 / 33.5 { 49.6 / 33.5, 49.6 / 40.2 })
NHP 8000	1400 / 1200 / 1370 (55.1 / 47.2 / 53.9)	800 x 800 { 800 x 1000 } (31.5 x 31.5 { 31.5 x 39.4 })	10000 { 6000, 15000 }	40 { 60, 90, 120, 150, 196, 256, 316, 376 }	45 / 25 { 37 / 25, 37 / 30 } (60.3 / 33.5 { 49.6 / 33.5, 49.6 / 40.2 })
					{ } : Option * S3 25%/cont.

HM 5000

Heavy duty and large horizontal machining center featuring massive meehanite cast iron bed and 3-speed geared spindle head.



Machine	X / Y / Z Travel mm (inch)	Table Size mm (inch)	Spindle Speed (r / min)	Tool Storage	Motor* kW (Hp)
HM 5000	800 / 650 / 650 (31.5 / 25.6 / 25.6)	500 x 500 (19.7 x 19.7)	6000 {8000}	40 {60, 90, 120, 196, 256, 324}	15 / 11 {18.5 / 15} (20.1 / 14.8 {24.8 / 20.1})
					{ } : Option * 30min/cont.

NHM 5000 / 6300 / 8000

The new generation world-class NHM series of heavy-duty horizontal machining centers.



Machine	X / Y / Z Travel mm (inch)	Table Size mm (inch)	Spindle Speed (r / min)	Tool Storage	Motor* (Cont./Short) kW (Hp)
NHM 5000	800 / 700 / 850 (31.5 / 27.6 / 33.5)	500 x 500 {630 x 630} (19.7 x 19.7 {24.8 x 24.8})	6000 {8000}	60 {90, 120, 150, 196, 256, 316, 376}	25 / 15* {35 / 22*, 37 / 30**} (33.5 / 20.1 {46.9 / 29.5, 49.6 / 40.2})
NHM 6300	1050 / 850 / 1000 (41.3 / 33.5 / 39.4)	630 x 630 {800 x 800} (24.8 x 24.8 {31.5 x 31.5})	6000 {8000}	60 {90, 120, 150, 196, 256, 316, 376}	35 / 22*** {37 / 30**, 35 / 22****} (46.9 / 29.5 {49.6 / 40.2, 46.9 / 29.5})
NHM 8000	1400 / 1050 / 1200 (55.1 / 41.3 / 47.2)	800 x 800 {800 x 1000} (31.5 x 31.5 {31.5 x 39.4})	6000 {8000}	60 {90, 120, 150, 196, 256, 316, 376}	35 / 22*** {37 / 30**, 35 / 22****} (46.9 / 29.5 {49.6 / 40.2, 46.9 / 29.5})
					{ } : Option * S3 25%/cont. **30 min./cont. *** S3 10%/cont. ****S3 15%/cont.

HM 1000 / 1250

The largest horizontal machining center featuring heavy duty and accuracy on extremely rigid base.



Machine	X / Y / Z / W Travel mm (inch)	Table Size mm (inch)	Spindle Speed (r / min)	Tool Storage	Motor* kW (Hp)
HM 1000	2100 / 1250 / 1250 / - (82.7 / 49.2 / 49.2 / -)	1000 x 1000 {1250 x 1000} (39.4 x 39.4 {49.2 x 39.4})	6000 {8000}	60 {90, 120, 196, 256}	26 / 22 {37 / 30, 26 / 22} (34.9 / 29.5 {49.6 / 40.2, 34.9 / 29.5})
HM 1250	2100 / 1400 / 1400 / 300 (82.7 / 55.1 / 55.1 / 11.8)	1250 x 1250 {1250 x 1000, 1000 x 1000} (49.2 x 49.2 {49.2 x 39.4, 39.4 x 39.4})	6000 {8000}	60 {90, 120, 196}	26 / 22 {37 / 30, 26 / 22} (34.9 / 29.5 {49.6 / 40.2, 34.9 / 29.5})
HM 1250W	2100 / 1400 / 1400 / 300 (82.7 / 55.1 / 55.1 / 11.8)	1250 x 1250 (49.2 x 49.2)	3000	60 {90, 120, 196}	45 / 37 (60.3 / 49.6)
					{ } : Option * 30min/cont.

Double Column Machining Center

3 axes Double Column Machining Center / Five Face Double Column Machining Center

BM 2740 series

BM 2740 is designed for the production of LCD / LED components and parts made from flat Aluminium sheet, such as Aerospace components.



Machine	X / Y / Z Travel mm (inch)	B/C axis rotation angle (deg)	Table Size mm (inch)	Spindle Speed (r / min)	Tool Storage	Motor (Cont./Short) kW (Hp)
BM 2740	4000 / 2700 / 800 (157.5 / 106.3 / 31.5)	-	4000 x 2500 (157.5 x 98.4)	10000	40 { 60 }	30 (30 min) / 25 (Cont.) (40.2 / 33.5)
BM 2740M	4000 / 2700 / 800 (157.5 / 106.3 / 31.5)	-	4000 x 2500 (157.5 x 98.4)	12000	40	30 (30 min) / 25 (Cont.) (40.2 / 33.5)
BM 2740U	4000 / 2500 / 700 (157.5 / 98.4 / 27.6)	±110 / ±220	4000 x 2500 (157.5 x 98.4)	18000	60	40 (53.6)

{ } : Option

DCM series

DCM series are the concept machining centers for all machining processes, from heavy cutting to high-accuracy finishing for mold & die works and large complex parts.



Machine	X / Y / Z Travel mm (inch)	Table Size mm (inch)	Spindle Speed (r / min)	Effective width between column mm (inch)	Motor * (cont. / 15 min) kW (Hp)
DCM 2740F	4100 / 2200 / 1650 (161.4 / 86.6 / 65.0)	2200 x 4100 (86.6 x 161.4)	Built-in 6000 {Built-in 12000, Gear driven 4000, 6000}	2700	25 / 22 {Built-in 30 / 25**, Gear driven 22 / 18.5, 26 / 22, 37 / 30**} (33.5 / 29.5 {40.2 / 33.5, Gear driven 29.5 / 24.8, 34.9 / 29.5, 49.6 / 40.2})
DCM 2750F	5100 / 2200 / 1650 (200.8 / 86.6 / 65.0)	2200 x 5100 (86.6 x 200.8)	Built-in 6000 {Built-in 12000, Gear driven 4000, 6000}	2700	25 / 22 {Built-in 30 / 25**, Gear driven 22 / 18.5, 26 / 22, 37 / 30**} (33.5 / 29.5 {40.2 / 33.5, Gear driven 29.5 / 24.8, 34.9 / 29.5, 49.6 / 40.2})
DCM 2760F	6100 / 2200 / 1650 (240.2 / 86.6 / 65.0)	2200 x 6100 (86.6 x 240.2)	Built-in 6000 {Built-in 12000, Gear driven 4000, 6000}	2700	25 / 22 {Built-in 30 / 25**, Gear driven 22 / 18.5, 26 / 22, 37 / 30**} (33.5 / 29.5 {40.2 / 33.5, Gear driven 29.5 / 24.8, 34.9 / 29.5, 49.6 / 40.2})
DCM 2780F	8100 / 2200 / 1650 (318.9 / 86.6 / 65.0)	2200 x 8100 (86.6 x 318.9)	Built-in 6000 {Built-in 12000, Gear driven 4000, 6000}	2700	25 / 22 {Built-in 30 / 25**, Gear driven 22 / 18.5, 26 / 22, 37 / 30**} (33.5 / 29.5 {40.2 / 33.5, Gear driven 29.5 / 24.8, 34.9 / 29.5, 49.6 / 40.2})
DCM 3250F	5100 / 2700 / 1650 (200.8 / 106.3 / 65.0)	2700 x 5100 (106.3 x 200.8)	Built-in 6000 {Built-in 12000, Gear driven 4000, 6000}	3200	25 / 22 {Built-in 30 / 25**, Gear driven 22 / 18.5, 26 / 22, 37 / 30**} (33.5 / 29.5 {40.2 / 33.5, Gear driven 29.5 / 24.8, 34.9 / 29.5, 49.6 / 40.2})
DCM 3260F	6100 / 2700 / 1650 (240.2 / 106.3 / 65.0)	2700 x 6100 (106.3 x 240.2)	Built-in 6000 {Built-in 12000, Gear driven 4000, 6000}	3200	25 / 22 {Built-in 30 / 25**, Gear driven 22 / 18.5, 26 / 22, 37 / 30**} (33.5 / 29.5 {40.2 / 33.5, Gear driven 29.5 / 24.8, 34.9 / 29.5, 49.6 / 40.2})
DCM 3280F	8100 / 2700 / 1650 (318.9 / 106.3 / 65.0)	2700 x 8100 (106.3 x 318.9)	Built-in 6000 {Built-in 12000, Gear driven 4000, 6000}	3200	25 / 22 {Built-in 30 / 25**, Gear driven 22 / 18.5, 26 / 22, 37 / 30**} (33.5 / 29.5 {40.2 / 33.5, Gear driven 29.5 / 24.8, 34.9 / 29.5, 49.6 / 40.2})
DCM 3780F	8100 / 3200 / 1650 (318.9 / 126.0 / 65.0)	3200 x 8100 (126.0 x 318.9)	Built-in 6000 {Built-in 12000, Gear driven 4000, 6000}	3700	25 / 22 {Built-in 30 / 25**, Gear driven 22 / 18.5, 26 / 22, 37 / 30**} (33.5 / 29.5 {40.2 / 33.5, Gear driven 29.5 / 24.8, 34.9 / 29.5, 49.6 / 40.2})
DCM 37100F	10100 / 3200 / 1650 (397.6 / 126.0 / 65.0)	3200 x 10100 (126.0 x 397.6)	Built-in 6000 {Built-in 12000, Gear driven 4000, 6000}	3700	25 / 22 {Built-in 30 / 25**, Gear driven 22 / 18.5, 26 / 22, 37 / 30**} (33.5 / 29.5 {40.2 / 33.5, Gear driven 29.5 / 24.8, 34.9 / 29.5, 49.6 / 40.2})

{ } : Option

* 30 min./cont. **15 min./cont.

Boring Machine

Duplex Spindle Horizontal Boring Machining Center / Horizontal Boring Mill

DBC 110 / 130 / 250

DBC series harmonizes heavy-duty cutting capability with the perfect balance of power and accuracy.



Machine	X / Y / Z Travel mm (inch)	Table Size mm (inch)	Spindle Speed (r/min)	Tool Storage	Motor*kW (Hp)
DBC 110S	2000 / 1500 / 1200 / 500 (78.7 / 59.1 / 47.2 / 19.7)	1400x1600 (55.1 / 63.0)	3000	{40, 60, 90}	26 / 22 {30 (15min.) / 22} (34.9 / 29.5 {40.2 (15min.) / 29.5})
DBC 130S	2000 / 1500 / 1200 / 600 (78.7 / 59.1 / 47.2 / 23.6)	1400x1600 (55.1 / 63.0)	2500	{40, 60, 90}	37 / 30 (49.6 / 40.2)
DBC 130SL	2500 / 2000 / 1500 / 600 (98.4 / 78.7 / 59.1 / 19.7)	1400x1800 (55.1 / 70.9)	2500	{40, 60, 90}	37 / 30 (49.6 / 40.2)
DBC 110 II	2500 / 2000 / 1500 / 550 (98.4 / 78.7 / 59.1 / 21.7)	1400x1800 (55.1 / 70.9)	4000	{40, 60, 90}	26 / 22 {30 (15min.) / 22, 45 / 37} (34.9 / 29.5 {40.2 (15min.) / 29.5, 60.3 / 49.6})
DBC 130 II	3000 / 2000 / 1600 / 700 (118.1 / 63.0 / 47.2 / 27.6)	1600x1800 (63.0 / 70.9)	2500	{40, 60, 90}	26 / 22 {30 (15min.) / 22, 45 / 37} (34.9 / 29.5 {40.2 (15min.) / 29.5, 60.3 / 49.6})
DBC 130L II	4000 / 2500 / 2000 / 700 (157.5 / 98.4 / 78.7 / 27.6)	1600x1800 {1800x2000, 2000x2200} (63.0 / 70.9 {70.9x63.0, 63.0x86.6})	2500	{40, 60, 90}	26 / 22 {30 (15min.) / 22, 45 / 37} (34.9 / 29.5 {40.2 (15min.) / 29.5, 60.3 / 49.6})
DBC 250 II	3000 / 2000 / 1600 / 500 (118.1 / 63.0 / 47.2 / 19.7)	1600x1800 {1800x2000, 2000x2200} (63.0 / 70.9 {70.9x63.0, 63.0x86.6})	6000	{40, 60, 90}	30 / 22 (40.2 / 29.5)
DBC 250 L II	4000 / 2500 / 2000 / 500 (157.5 / 98.4 / 78.7 / 19.7)	1600x1800 {1800x2000, 2000x2200} (63.0 / 70.9 {70.9x63.0, 63.0x86.6})	6000	{40, 60, 90}	30 / 22 (40.2 / 29.5)

{ } : Option

*30 min./cont. rating

DBD 1270 / 1580

DBD series for large sized work-piece.



Machine	X / Y / Z Travel mm (inch)	Table Size mm (inch)	Spindle Speed (r / min)	Tool Storage	Motor* kW (Hp)
DBD 1270	7000 / 1500 / 1000 / - (275.6 / 59.1 / 39.4 / -)	1250x7000 (49.2x275.6)	3000	{40 / 60}	26 / 22 {37 / 30} (34.9 / 29.5 {49.6 / 40.2})
DBD 1580	8000 / 2000 / 450 / 500 (315.0 / 78.7 / 17.7 / 19.7)	1500x8000 (59.1x315.0)	2500	{40 / 60}	26 / 22 {30 (15min)/22} (34.9 / 29.5 {40.2 (15min.) / 29.5})

{ } : Option

* 30 min./cont. rating

Optimal Technology

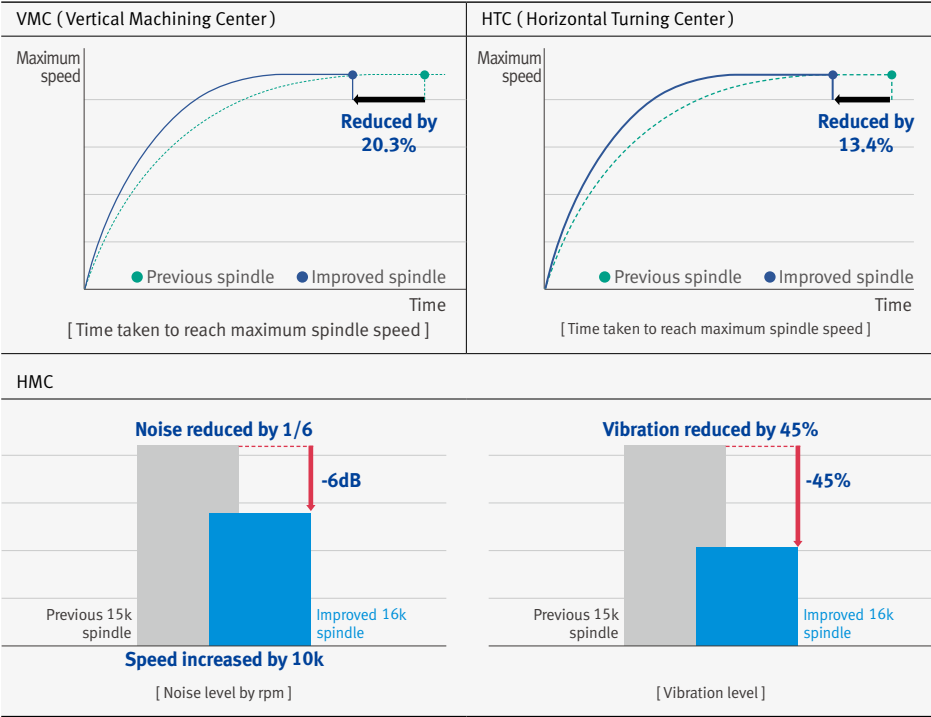


HST (High speed Spindle Technology)

Continuous research and years of know-how of Doosan, offers reliability and convenience to our customers. Worldwide excellent technology has been applied Doosan machine tools will provide you the best solution.

HST / High-speed Spindle Technology

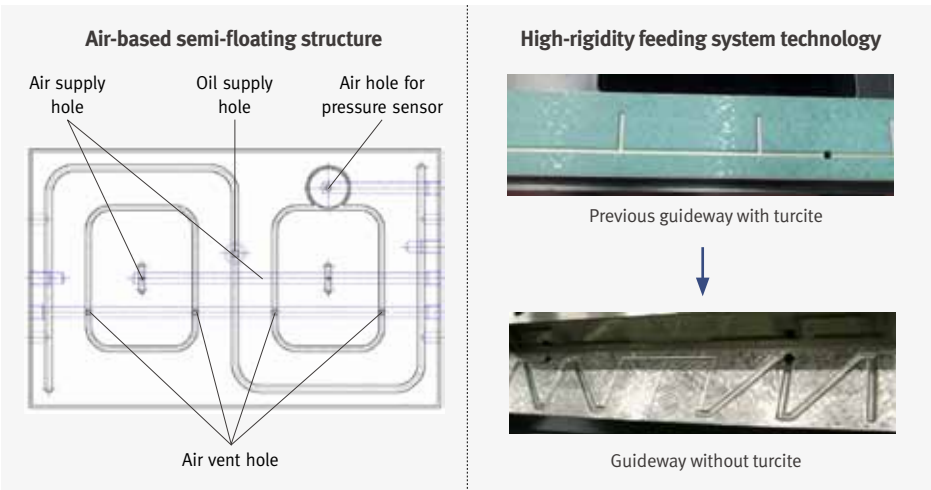
Maximum speed and acceleration/deceleration speed are the two core performance factors of a spindle that affect a machine's productivity. Minimized idle time and maximized operation time are dependent upon how fast the spindle accelerates/decelerates according to the RPM set by the user. By adopting an aluminum pulley to reduce weight and winding switching technology to distribute the proper output at the right timing, Doosan Machine Tools has succeeded in developing a high-speed, static pressure spindle optimized for high-speed machining.



HGT (High rigidity Guideway Technology)

HGT / High-rigidity Guideway Technology

The high-rigidity box guideway installed in Doosan machine tools is equipped with air-based semi-floating technology. Doosan has applied its unique semi-floating sliding plate, which slashes maintenance costs through the reduction of engine oil consumption in addition to the method of floating the column a bit through the combined supply of air and oil. Also, instead of using turcite for easier guideway machining and reduced friction during travel, Doosan's machine tools directly work on the casting surface, resolving the problem of delamination between turcite and casting surface and improving resistance to severe shocks.

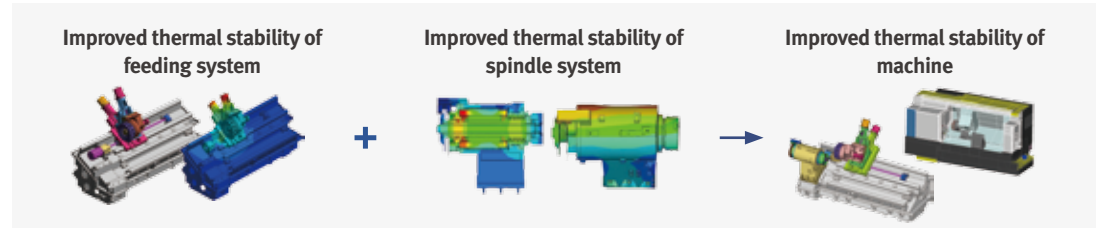




TST (Thermal Stability Technology)

TST / Thermal Stability Technology

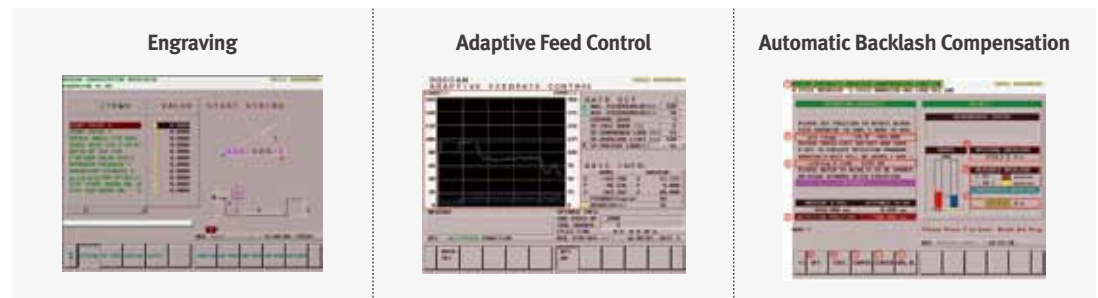
Doosan Machine Tools possesses technologies that minimize the impact of plant environments on machine tools, including a variety of technologies related to cooling and pre-load methods, low-heat ball screws, and cooling oil inside the main shaft. By analyzing the heat flow of finished units of these tools, Doosan Machine Tools has identified the flow of heat and installed fans or used coolant at the optimal cooling points to complete a well-balanced machine tool.



EOT (Easy Operation Technology)

EOT / Easy Operation Technology

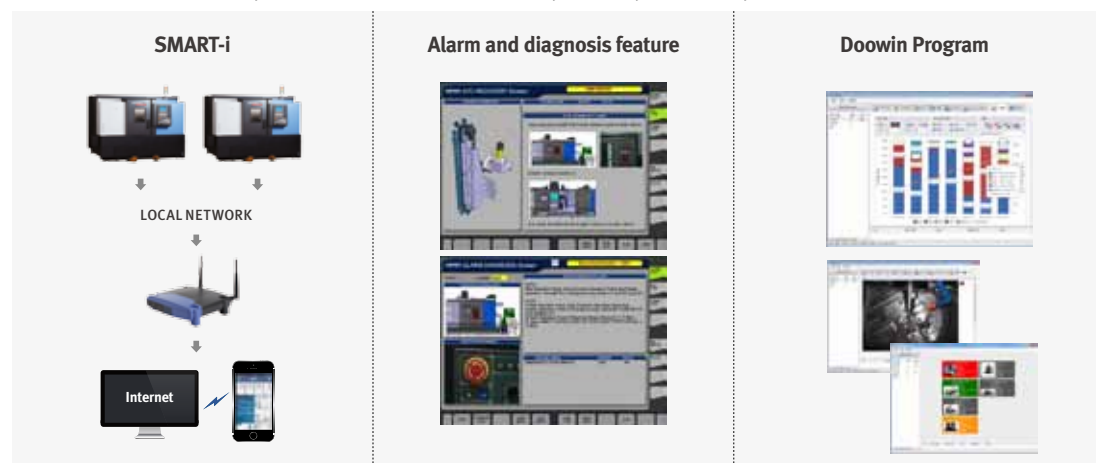
Doosan Machine Tools develops and provides various features designed to enhance its machine tool performance and operational convenience in addition to the features inherent in the CNC system. To operational convenience, the EOT technology provides customers with the ATC/APC SETTING - TAIL STOCK - Q-SETTER GUIDE SYSTEM while making the operation of surrounding devices far easier, and the ALARM GUIDANCE & TOOL MANAGEMENT SYSTEM that helps with easy maintenance and repairs. The EOT technology also bolsters accurate and fast machining operations. It maximizes customers' productivity through a variety of outstanding technical features such as the tool center point position compensation and the automatic feed-control optimization feature.



SMT (Smart Monitoring Technology)

SMT/ Smart Monitoring Technology

Doosan Machine Tools has developed a smart monitoring feature for those who are concerned about their manufacturing plants while outside. 'Smart-i' sends out a warning message together with information on the relevant machine tool operation through a smartphone whenever a problem with a machine tool arises. As such, it's a CNC that can be used directly in one's hand. Anyone can send program files to the machine tool via a smartphone or edit or store them. The 'alarm and diagnosis feature' notifies users of the causes of malfunction and possible solutions for immediate action, as well as the regular maintenance service and component replacement time. 'Doowin' is a machine tool monitoring and virtual support program developed on the basis of the aforementioned technologies that enables users to monitor multiple machine tools or control an entire plant on a personal computer.



Doosan Easy Operation Package (EOP)

Doosan Easy Operation Package (EOP) is a smart software program consisting of about 70 convenient features designed to help customers carry out their setting/operation tasks more easily and conveniently. It will help them to improve their productivity through accurate, fast machining operations.

Convenient Control

These software features are designed to enable users to operate their machine tools conveniently. They help users carry out their program setting and scheduling tasks easily through NC screens, manage/handle accessory devices and tools effectively, and fix problems when alarms ring or problems arise.

Program setting

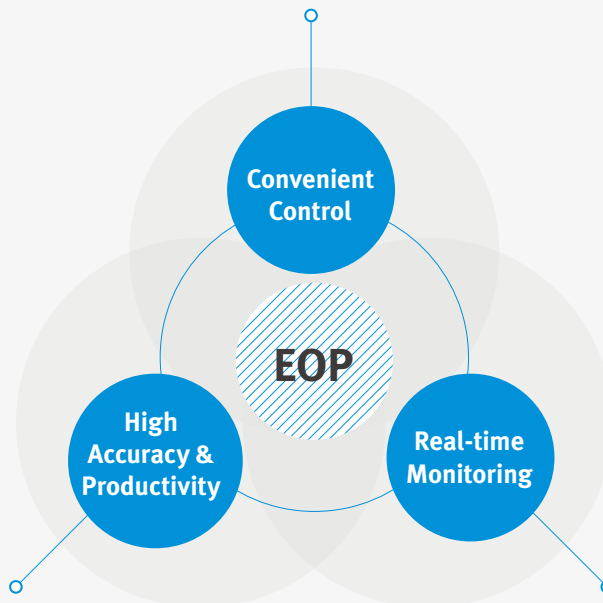
- CALCULATOR
- PATTERN CYCLE FOR DCM
- ENGRAVING
- WORK OFFSET SETTING
- G-CODE LIST
- M-CODE LIST

Operation control

- MACHINE MOVING FOR SETUP
- ATC / APC / AAC SETTING SCREEN
- RENISHAW GUI
- APC SETTING SCREEN
- MATRIX
- MULTI PALLET MAGAZINE (PMG)
- MULTI PALLET STATION (MPS)
- 5APC
- TAIL STOCK THRUST SETTING
- PMC SOFT PANEL SWITCH
- Q-SETTER GUIDE (DEVELOPING)
- MULTI FACE SUPPORT

Easy Maintenance

- ALARM GUIDANCE
- ATC RECOVERY HELP
- EASY NC PARAMETER HELP
- TOOL DATA REGISTRY SCREEN
- TOOL MANAGEMENT
- TOOL MANAGEMENT II
- BACKUP CUSTOM DATA
- X MANAGER



TOOL MANAGEMENT



Tool information

- Tool number
- Tool name
- Tool size, status
- Manage broken or warning tool
- Switch tool
- Regist and set manual tool

High Accuracy & high Productivity

This feature helps improve users' productivity by ensuring that they can carry out their machining operations more accurately and efficiently.

- TOOL TABLE
- SMART THERMAL COMPENSATION
- SQUARENESS COMPENSATION
- AUTOMATIC BACKLASH COMPENSATION
- FUNCTION POOL LIST
- DCP-i
- AFC (Adaptive Feed Control)

DCP-i (Doosan Center Point position Intelligence)



Real-time Monitoring

This feature enables users to monitor everything that takes place during their machining operations in real time. Users can check their machining progress rates and machining results.

- OPERATION RATE
- SENSOR STATUS MONITOR
- TOOL LOAD MONITOR
- TOOL TABLE
- PRODUCT COUNT
- DOOSAN TOOL LIFE COUNT

AFC (Adaptive Feed Control)



AFC 'OFF'
02:19



AFC 'ON'
01:49

Applications

Increasing demand for machine tools from various industries such as energy, aerospace, IT, medicine and automotive is spurring us to expand product lineups and develop new machine tools.



Automotive



Airplane



Medical



Energy



IT



Construction Equipment



Overview

Product Full Line-up

Full Line-up of Products
Turning Center
Machining Center
Double Column
Machining Center
Boring Machine

Optimal Technology
Easy Operation Package
Applications

Global Support
Network
Overseas Supplies
System

Global Network

Doosan Infracore America Corp. (DIA)

Doosan Infracore Germany GmbH. (DIG)



Overseas Supplied System

DOOSAN Products Working In Industries World Wide

Machining systems | Flexible Manufacturing Cells | Flexible Manufacturing System | Flexible Transfer Line

UNITED STATES

Alco Controls
Allied Signal
Allied Signal Engines
Ambel Precision
Manufacturing Co.
American Sleeve Bearing
Anchor Hocking
ATM Specialties
B.F. Goodrich Aerospace
Baldor Electric
Baldor Electric Co.
Bath Iron Works
Bendix Benz
Bimba Manufacturing
Bosche
Browning Bosche
Brunswick
Buck Chuck
Camco
Carrier
Caterpillar
Chicago Roll
Clark Equipment
Colts Manufacturing

Combustion Engineering
Cooper Industries
Cooper Power Tools
Cushman
Dana
Dana Spicer
Darmark Corp.
Dayton Progress
Dresser
E.G. & G.
Eaton
Elgin Sweeper
Emerson Electric
Fastenal Inc.
Federal Mogal
Federal Signal
Ford
France Compressor Products
General Dynamics
General Motors
George Fisher Foundries
Gildea
Grimes Engineering
Hexatron Engineering
Hydraw Flow

I. B. M.
In-Sink-EratorInvar
Manufacturing
ITT Engineered Valves
Jacobs Vehicle
Jake Brake
Kellogg Crankshaft
Kelsey-Hayes
Kuhn Industries
Kurk Manufacturing
TCN Vehicles Division S.r.l.
TEKNO S.r.l.
VIAR Meccanica S.r.l.
Lift-Tech International , Inc.
Marathon Electric Company
Mason & Hanger
Mennies
Milwaukee Electric
Modern Tooling
Outboard Marine Corp.
Parker-Hannifin
PGI International
Sikorsky
Spicer Heavy Axle
Stace Allen Chucks

TDM Corp.
Technical Machine Service
Triad Machine
Trompler Co.
TRW
Twin Disk
Union Special Corp.
United Technologies
US Axle, Inc.
Valentek Olivette
Van Corp.
Velan Engineering
W.D. Lee & Co.
WABCO Locomotive Products
Watts Industries
Westinghouse Electric
White Rodgers
Zum Industries

GERMANY

Benz Sohne
Deutsche Metallwerke
Duspohl
Erco Leuchten
Fischer Mess-und Regeltechnik

Flender AG
Gestra AG
Heraeus
Intra
R & H Alurad Group
Regeltechnik Kornwestheim
Ronald Group

ITALY

A.D.R. S.r.l.
Atomat S.p.A.
Baruffaldi S.p.A.
Brembo S.p.A. Divisione Dischi
Contarini Leopoldo S.r.l.
Dott. Ing. Mario Cozzani S.r.l.
Franzoni Ruggero
Fucine Rostagno S.p.A.
Manfredini Doviglio & C. S.n.c.
Meccanica Melegari S.r.l.
Mekanotech S.n.c. di
Perissinotto
O/Cava Meccanica S.p.A.
O.M.L. di Antonioli T. &
C.S.a.s.
O.M.G. S.p.A. di Messieri & C.

Doosan Infracore Construction
Equipment India Pvt. Ltd.
(Machine Tool Div.)

Doosan Infracore Yantai Factory (DIY)

DIY Shanghai Office

Doosan Infracore Seoul Office

Doosan Infracore Namsan Factory
Doosan Infracore Daewon Factory
Doosan Infracore Sungju Factory

Doosan International South East Asia Pte Ltd.
(DISEA)

Roero Meccanica S.r.l.
SFARMEC S.r.l.
TCN Vehicles Division S.r.l.
TEKNO S.r.l.
VIAR Meccanica S.r.l.

U. K

Anson
Automatic Components
Bombardier
British Aerospace
Depuy
Firth Rixson
FMC Technologies
GKN
Hewland Engineering
Howdens
Kawasaki Heavy Industries

Nikken
Pear Engineering
Renishaw
Rolls Royce Aerospace
Rolls Royce
RT Quaife

Sandvik Medical
Slomaw Engineering
Smith and Nephew
Thales Defence
Trelleborg

INDIA

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Amtek Auto Limited
Apex Auto Limited
BRAKES India Ltd
CRI Pumps Pvt. Ltd
Cummins India Ltd
GNA Enterprises Limited
International Auto Limited
KIRLOSKAR Brothers Ltd
KIRLOSKAR Ebara Pumps Ltd
KIRLOSKAR Oil Engines Ltd
KIRLOSKAR Pneumatic Co. Ltd
Ramkrishna Forgings Limited
Rico Auto Industries Ltd
TATA motors
Wheels India Ltd

MALAYSIA

Hicom Engineering
OMS Oilfield Services
Sapura Machining
SMEA
Takako Vietnam
TRW

SINGAPORE

ASM Front-End Manufacturing

INDONESIA

PT. Inti Ganda Perdana Group

JAPAN

Komatsu
Nissan
SNK

THAILAND

Delphi
Honda Automobile
TRW

BRAZIL

Volkswagen

HUNGARY

Rabbe

SWEDEN

Volvo

IRAN

Mega motors
Saipa Malleable

MEXICO

Delphi

CHINA

FAW Group
Flender
JAC Group
KF Valve
KNORR
SAIC
Sany Group

Shaanxi Fast Group
WEICHAI Power
XCMG Group

PAKISTAN

KSB Pumps
Rastgar Engineering

UAE

Ados Engineering Industries
FTV Proclad
Hoerbiger Service ME
Weatherford

SAUDI ARABIA

Saudi Mechanical Industries

OMAN

Cameron Services Middle East
United Engineering Services



Doosan Machine Tools

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Optimal Solutions for the Future

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* The specifications and information above-mentioned may be changed without prior notice.